

Author Index

- Affranchino, J.L., see Ibañez, C.F. 175
 Aikawa, M., see Taylor, D.W., 165
 Aley, S.B., see Taylor, D.W., 165
 Aman, R.A. and Wang, C.C.
 Identification of two integral glycosomal membrane proteins in *Trypanosoma brucei*, 83
 Anders, R.F., see Coppel, R.L., 73
 Arauzo, S., see Macina, R.A., 45
 Arme, C., see Mercer, J.G., 61
 Asher, C.R., see Pan, J.-X., 107
 Avron, B., Chayen, A., Stolarsky, T., Schauer, R. Reuter, G. and Mirelman, D.
 A stage-specific sialoglycoprotein in encysting cells of *Entamoeba invadens*, 257
 Barnwell, J.W., see Wanidworanun, C., 195
 Basombrio, M.A., see Macina, R.A., 45
 Baverstock, P.J., see Johnson, A.M., 239
 Beck, E., see Klinkert, M.-Q., 247
 Bellofatto, V., Fairlamb, A.H., Henderson, G.B. and Cross, G.A.M.
 Biochemical changes associated with α -difluoromethylornithine uptake and resistance in *Trypanosoma brucei*, 227
 Bianco, A.E., see Coppel, R.L., 73
 Billecoq, A.
 Protection by phospholipids of *Schistosoma mansoni* schistosomula against the action of cytotoxic antibodies and complement, 133
 Blair, R.J. and Weller, P.F.
 Uptake and esterification of arachidonic acid by trophozoites of *Giardia lamblia*, 11
 Bracha, R., Chayen, A., Rosenberg, I., Warren, L.G. and Mirelman, D.
 Isolation and partial characterization of the hexokinase isoenzymes from pathogenic and non-pathogenic strains of *Entamoeba histolytica*, 203
 Brown, G.V., see Coppel, R.L., 73
 Brown, W.C., see Conrad, P.A., 213
 Brydon, L.J., Gooday, G.W., Chappell, L.H. and King, T.P.
 Chitin in egg shells of *Onchocerca gibsoni* and *Onchocerca volvulus*, 267
 Card, C., see Perler, F.B., 185
 Chapman, G.B., see Taylor, D.W., 165
 Chappell, L.H., see Brydon, L.J., 267
 Chayen, A., see Avron, B., 257
 Chayen, A., see Bracha, R., 203
 Cleator, M., Delves, C.J., Howells, R.E. and Rees, H.H.
 Identity and tissue localization of free and conjugated ec-dysteroids in adults of *Dirofilaria immitis* and *Ascaris suum*, 93
 Conrad, P.A., Iams, K., Brown, W.C., Sohanpal, B. and ole-MoiYoi, O.K.
 DNA probes detect genomic diversity in *Theileria parva* stocks, 213
 Cook, G.A. and Donelson, J.E.
 Mini-exon gene repeats of *Trypanosoma (Nannomonas) congolense* have internal repeats of 190 base pairs, 113
 Coppel, R.L., Bianco, A.E., Culvenor, J.G., Crewther, P.E., Brown, G.V., Anders, R.F. and Kemp, D.J.
 cDNA clone expressing a rhoptry protein of *Plasmodium falciparum*, 73
 Coulson, P.S., see Saunders, N., 123
 Crewther, P.E., see Coppel, R.L., 73
 Cross, G.A.M., see Bellofatto, V., 227
 Culvenor, J.G., see Coppel, R.L., 73
 Dalton, M., see Perler, F.B., 185
 Dame, J.B., see Jenkins, M.C., 155
 Delves, C.J., see Cleator, G.A., 93
 Donelson, J.E., see Cook, M., 113
 Donelson, J.E., see Perler, F.B., 185
 Euerby, M.R., see Learmonth, M.P., 293
 Fairlamb, A.H., see Bellofatto, V., 227
 Frasch, A.C.C., see Ibañez, C.F., 175
 Frasch, A.C.C., see Macina, R.A., 45
 Gibbons, W.A., see Learmonth, M.P., 293
 Gooday, G.W., see Brydon, L.J., 267
 Henderson, G.B., see Bellofatto, V., 227
 Howard, R.J., see Taylor, D.W., 165
 Howells, R.E., see Cleator, M., 93
 Iams, K., see Conrad, P.A., 213
 Ibañez, C.F., Affranchino, J.L. and Frasch, A.C.C.
 Antigenic determinants of *Trypanosoma cruzi* defined by cloning of parasite DNA, 175
 Illana, S., see Johnson, A.M., 239
 Jacobs, D.E., see Learmonth, M.P., 293
 Jenkins, M.C. and Dame, J.B.
 Identification of immunodominant surface antigens of *Eimeria acervulina* sporozoites and merozoites, 155
 Jenni, L., see Pearson, T.W., 273
 Johnson, A.M., Murray, P.J., Illana, S. and Baverstock, P.J.
 Rapid nucleotide sequence analysis of the small subunit ribosomal RNA of *Toxoplasma gondii*: evolutionary implications for the Apicomplexa, 239

- Karcz, S.R., see Siddiqui, A.A., 19
- Kemp, D.J., see Coppel, R.L., 73
- King, T.P., see Brydon, L.J., 267
- Klinkert, M.-Q., Ruppel, A. and Beck, E.
Cloning of diagnostic 31/32 kilodalton antigens of *Schistosoma mansoni*, 247
- Learmonth, M.P., Euerby, M.R., Jacobs, D.E. and Gibbons, W.A.
Metabolite mapping of *Toxocara canis* using one- and two-dimensional proton magnetic resonance spectroscopy, 293
- Lynch, J., see Perler, F.B., 185
- Macina, R.A., Arauzo, S., Reyes, M.B., Sanchez, D.O., Basmombrio, M.A., Montamat, E.E., Solari, A. and Frasch, A.C.C.
Trypanosoma cruzi isolates from Argentina and Chile grouped with the aid of DNA probes, 45
- Masterson, W.J., see Nichol, C., 29
- McManus, D.P., see Shepherd, J.C., 143
- Meda, M., see Perler, F.B., 185
- Mercer, J.G., Munn, A.E., Arme, C. and Rees, H.H.
Analysis of ecdysteroids in different developmental stages of *Hymenolepis diminuta*, 61
- Mikkelsen, R.B., see Pan, J.-X., 107
- Mirelman, D., see Avron, B., 257
- Mirelman, D., see Bracha, R., 203
- Moloo, S.K., see Pearson, T.W., 273
- Montamat, E.E., see Macina, R.A., 45
- Moon, A.M., see Perler, F.B., 185
- Munn, A.E., see Mercer, J.G., 61
- Murray, P.J., see Johnson, A.M., 239
- Nichol, C. and Masterson, W.J.
Characterisation of surface antigens of *Strongylus vulgaris* of potential immunodiagnostic importance, 29
- ole-MoiYoi, O.K., see Conrad, P.A., 213
- Pan, J.-X., Mikkelsen, R.B., Wallach, D.F.H. and Asher, C.R.
Synthesis of a somatostatin-like peptide by *Plasmodium falciparum*, 107
- Panton, L.J., see Taylor, D.W., 165
- Parra, M., see Taylor, D.W., 165
- Pearson, T.W., Moloo, S.K. and Jenni, L.
Culture form and tsetse fly midgut form procyclic *Trypanosoma brucei* express common proteins, 273
- Perler, F.B., Moon, A.M., Qiang, B.Q., Meda, M., Dalton, M., Card, C., Schmidt-Ullrich, R., Wallach, D., Lynch, J. and Donelson, J.E.
Cloning and characterization of an abundant *Plasmodium knowlesi* antigen which cross reacts with Gambian sera, 185
- Podesta, R.B., see Siddiqui, A.A., 19
- Qiang, B.Q., see Perler, F.B., 185
- Rees, H.H., see Cleator, M., 93
- Rees, H.H., see Mercer, J.G., 61
- Rege, A.A.
Purification and characterization of a tyrosine aminotransferase from *Crithidia fasciculata*, 1
- Rener, J., see Taylor, D.W., 165
- Reuter, G., see Avron, B., 257
- Reyes, M.B., see Macina, R.A., 45
- Rosenberg, I., see Bracha, R., 203
- Ruppel, A., see Klinkert, M.-Q., 247
- Samaras, N. and Spithill, T.W.
Molecular karyotype of five species of *Leishmania* and analysis of gene locations and chromosomal rearrangements, 279
- Sanchez, D.O., see Macina, R.A., 45
- Saunders, N., Wilson, R.A. and Coulson, P.S.
The outer bilayer of the adult schistosome tegument surface has a low turnover rate in vitro and in vivo, 123
- Schauer, R., see Avron, B., 257
- Schmidt-Ullrich, R., see Perler, F.B., 185
- Scholz, H., see Schulte, W., 39
- Schulte, W., Scholz, H. and Werries, E.
Specificity of a cysteine proteinase of *Entamoeba histolytica* towards the α 1-CB2 peptide of bovine collagen type I, 39
- Shear, H.L., see Wanidworanun, C., 195
- Shepherd, J.C. and McManus, D.P.
Specific and cross-reactive antigens of *Echinococcus granulosus* hydatid cyst fluid, 143
- Siddiqui, A.A., Karcz, S.R. and Podesta, R.B.
Developmental and immune regulation of gene expression in *Hymenolepis diminuta*, 19
- Sohanpal, B., see Conrad, P.A., 213
- Solari, A., see Macina, R.A., 45
- Spithill, T.W., see Samaras, N., 279
- Stearns, M.E., see Taylor, D.W., 165
- Stolarsky, T., see Avron, B., 257
- Taylor, D.W., Parra, M., Chapman, G.B., Stearns, M.E., Rener, J., Aikawa, M., Uni, S., Aley, S.B., Panton, L.J. and Howard, R.J.
Localization of *Plasmodium falciparum* histidine-rich protein 1 in the erythrocyte skeleton under knobs, 165
- Turrens, J.F.
Possible role of the NADH-fumarate reductase in superoxide anion and hydrogen peroxide production in *Trypanosoma brucei*, 55
- Uni, S., see Taylor, D.W., 165
- Wallach, D., see Perler, F.B., 185
- Wallach, D.F.H., see Pan, J.-X., 107
- Wang, C.C., see Aman, R.A., 83
- Wanidworanun, C., Barnwell, J.W. and Shear, H.L.
Protective antigen in the membranes of mouse erythrocytes infected with *Plasmodium chabaudi*, 195
- Warren, L.G., see Bracha, R., 203
- Weller, P.F., see Blair, R.J., 11
- Werries, E., see Schulte, W., 39
- Wilson, R.A., see Saunders, N., 123

Subject Index

- Affinity chromatography, 29
 African trypanosomes, 273
 Antibody, 133
 Antibody response, 175
 Antigen, 155, 185
 Antigen 5, 143
 Antigen B, 143
 Apicomplexa, 239
 Arachidonic acid, 11
Ascaris suum, 93
 Axenic culture, 203

 Biosynthetic labelling, 273
*N*¹,*N*⁸-Bis(glutathionyl)-spermidine, 227

 Cestoda, 61
 Chagas' disease, 175
 α 1-Chain of collagen, 39
 Chitin, 267
 Chromatofocusing, 203
 Cloning, 247
 Coccidiosis, 155
 Complement, 133
 Consensus sequence, 113
Crithidia fasciculata, 1
 Cross-reactive antigen, 29
 Cyst, 257
 Cystein proteinase, 39

 Developmental regulation, 19
 DFMO, 227
 Diagnosis, 29
 Diagnostic proteins, 247
 Differentiation, 257
Dirofilaria immitis, 93
 DNA probes, 45, 213
 DNA sequence, 73, 113, 185
 Drug resistance, 227

 Ecdysteroids, 61
 Ecdysteroids, tissue localization, 93
Echinococcus granulosus, 143
 Egg shell, 267
Eimeria, 155
Entamoeba histolytica, 39, 203
Entamoeba invadens, 257
 Erythrocyte membrane, 195
 Erythrocyte skeleton, 165

 Fatty acid, 11
 FPLC, 203
 Free radicals, 55
 Fumarate reductase, 55

 Gene cloning, 73, 175
 Gene expression, 19, 185
 Genetic linkage map, 279
Giardia lamblia, 11
 Glucose-6-phosphate dehydrogenase, 203
 α -Glycerophosphorylcholine, 293
 Glycoprotein, 257
 Glycosome, 83
 Gold-labelled wheat germ agglutinin, 167

 Heat shock gene, 279
 High-performance liquid chromatography, radioimmunoassay, 93
 Histidine-rich protein, 165
 Host antigen, 123
 Hybridization, 213
 Hydatid cyst fluid, 143
 Hydrogen peroxide, 55
Hymenolepis diminuta, 19, 61

 Immune evasion, 123
 Immune regulation, 19
 Immunodiagnosis, 143
 Immunoelectron microscopy, 73, 165
 Insect moulting hormone, 61
 Integral membrane protein, 83
 Intercellular parasite, 107

 Karyotype, 279
 Kinetoplast DNA, 279
 Kinetoplastid, 1

Leishmania, 279
 Lipid metabolism, 11

 Malaria, 195
 Masked mRNA, 19
 Membrane, 83
 Metabolites of *Toxocara canis*, 293
 Mini-exon, 113
 Minicircles, 45
 Molecular cloning, 185
 Monoclonal anti-knob antibodies, 165
 Moulting hormones, 93

 NADP, 203

 OFAGE, 213
Onchocerca gibsoni, 267
Onchocerca volvulus, 267
 Ornithine, 227
 Outer bilayer, 123

- Parasite characterization, 213
Pathogenicity, 203
Peptide hormone, 107
Phosphoglucomutase, 203
Phospholipids, 133
Phosphorylcholine, 143
Phylogeny, 239
Plasmodium chabaudi, 195
Plasmodium falciparum, 73, 107, 165
Plasmodium knowlesi, 185
Procyclic form, 273
Protection, 133
Protective antigen, 195
Protein synthesis, 19
Proton magnetic resonance spectroscopy, 293
Protozoa, 239
- Restriction fragment length polymorphism, 213
Rhoptry antigen, 73
Ribosomal RNA, 239
- Saccharomyces cerevisiae*, 203
Schistosoma mansoni, 123, 133, 247
Schistosomulum, 133
Sialic acid, 257
Somatostatin, 107
Specific antigen, 29
Specificity and cross-reactivity, 143
- Specificity, 39
Stage-specific antigen, 257
Strobilization, 19
Strongylus vulgaris, 29
Superoxide anion, 55
Surface antigen, 29
Surface labelling, 123
Surface protein, 155
Surface turnover, 123
- Tandem repeats, 113
Theileria parva, 213
Toxoplasma gondii, 239
Trehalose, 293
Trypanosoma brucei, 55, 83, 227, 273
Trypanosoma congolense, 113
Trypanosoma cruzi, 45
Trypanosoma cruzi antigens, 175
Trypanosoma cruzi identification, 45
Trypanosome, 55
Trypanothione, 227
Tryptic digest, 203
Tubulin, 279
Two-dimensional gel electrophoresis, 273
Tyrosine aminotransferase, 1
- Virulence, 203

